

1 ABSTRACT OF THE DISCLOSURE

2 A distributed network includes a plurality of hosts
3 and a shared communication channel. Each host has a
4 storage device. Each host may act as a client and a
5 server. A file is divided into a plurality of segments.
6 Each segment is transmitted to the storage devices of
7 several of said hosts and stored in said storage device of
8 said host. Each host is coupled to the shared
9 communication channel. A host acting as a client requests
10 that the hosts act as servers and collectively send all of
11 the segments to the requesting client so that the
12 requesting client can gather the segments together in order
13 for the segments to self-assemble and generate a single
14 copy of the file. At least one host has a global list with
15 entries. Each entry contains all the necessary information
16 about the file.